

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> ( Not for submission under 37 CFR 1.99)	Application Number		10767460
	Filing Date		2004-01-28
	First Named Inventor	Richard M. Boren	
	Art Unit	1754	
	Examiner Name	Paul A Wartalowicz	
	Attorney Docket Number	42801.3.76.1	

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number	10767460
Filing Date	2004-01-28
First Named Inventor	Richard M. Boren
Art Unit	1754
Examiner Name	Paul A Wartalowicz
Attorney Docket Number	42801.3.76.1

 <sup>1</sup>	Donne et al., "The Chemostat: A Novel Approach to the Synthesis of Manganese Dioxide", Materials Research Bulletin, Vol. 30, No. 7, pp. 859-869, 1995	<input type="checkbox"/>
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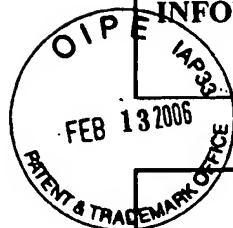
FORM PTO-1449 MODIFIED

Docket No.:  
42801.3.76.1Application No.:  
10/767,460
**INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION**

APPLICANT: BOREN et al

FILING DATE: January 28, 2004

GROUP ART UNIT: 1754


**U.S. PATENT DOCUMENTS**

Examiner's initials	Document No.	Date	Name	Class	Subclass
<i>JS</i>	6,599,429	07/29/2003	Azizian	210	681
	6,579,509	06/17/2003	Otsuka	423	245
	6,558,556	05/06/2003	Khoe	210	758
	6,517,802	02/11/2003	Xiao	423	263
	6,398,968	06/04/2002	Higby	210	721
	6,368,510	04/09/2002	Friot	210	670
	6,338,830	01/15/2002	Moskovitz	423	210
	6,248,217	06/19/2001	Biswas	204	157
	6,214,304	04/10/2001	Rosenthal	423	210
	6,214,303	04/10/2001	Hoke	423	210
	6,162,530	12/19/2000	Xiao	428	292
	6,132,692	10/17/2000	Alix	423	210
	6,117,403	09/12/2000	Alix	423	210
	6,117,333	09/12/2000	Frankiewicz	210	705
	6,102,039	08/15/2000	Springett	128	206.12
	6,085,440	07/11/2000	Getler	34	314
	6,066,590	05/23/2000	Horii	502	324
	6,039,783	03/21/2000	Lueck	71	59
	6,010,666	01/04/2000	Kurokawa	422	122
	5,955,393	09/21/1999	Moskovitz	502	5
	5,955,045	09/21/1999	Baur	423	239.1
	5,888,926	3/30/1999	Biswas	502	406
	5,871,703	02/16/1999	Alix	423	210
	5,866,014	02/02/1999	Santina	210	716
	5,853,684	12/29/1998	Fang	423	244
	5,798,088	08/25/1998	Dorchak	423	567
	5,780,000	07/14/1998	Strickland	423	220
	5,712,219	01/27/1998	Klabunde	502	328
	5,700,439	12/23/1997	Goyette	423	230
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	5,658,544	08/19/1997	Goodes	423	230
	5,635,073	06/13/1997	Aktor	210	714
	5,607,496	03/04/1997	Brooks	75	670
<i>JS</i>	5,556,545	09/17/1996	Volchek	210	651

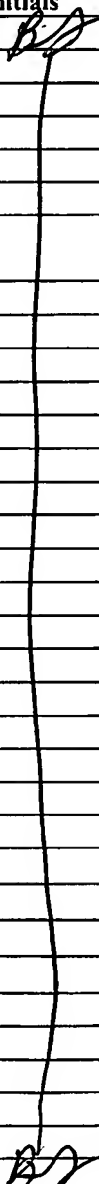
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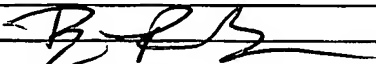
FORM PTO-1449 MODIFIED  INFORMATION DISCLOSURE CITATION IN AN APPLICATION	Docket No.: 42801.3.76.1	Application No.: 10/767,460
	APPLICANT: BOREN et al	
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U.S. PATENT DOCUMENTS					
Examiner's initials	Document No.	Date	Name	Class	Subclass
	5,534,234	07/09/1996	Reddin	423	50
	5,505,766	04/09/1996	Chang	95	134
	5,456,892	10/10/1995	Yang	423	239
	5,439,658	08/08/1995	Johnson	423	243
	5,391,365	02/21/1995	Wang	423	605
	5,391,218	02/21/1995	Jorgenson	95	20
	5,384,301	01/24/1995	Flytzani-Stephanopoulos	502	304
	5,366,710	11/22/1994	Chou	423	235
	5,358,643	10/25/1994	McClintock	210	709
	5,352,269	10/04/1994	McCandlish	75	351
	5,348,726	09/20/1994	Wang	423	605
	5,277,890	01/11/1994	Wang	423	605
	5,246,554	09/21/1993	Cha	204	157
	5,200,160	04/06/1993	Benson	423	235
	5,199,263	04/06/1993	Green	60	670
	5,192,515	03/09/1993	Gardner-Chavis	423	213
	5,176,888	01/05/1992	Stiles	423	239
	5,112,796	05/12/1992	Iannicelli	502	402
	5,059,406	10/22/1991	Sheth	423	244
	5,023,063	01/11/1991	Stiles	423	239
	5,009,872	04/23/1991	Chuang	423	245
	5,000,930	03/19/1991	Boguslawski	423	239
	4,954,324	09/04/1990	Hooper	423	239
	4,944,878	07/31/1990	Lockridge	210	683
	4,940,569	07/10/1990	Neal	423	239
	4,925,633	05/15/1990	Doyle	422	171
	4,923,688	05/08/1990	Iannicelli	423	224
	4,921,689	05/01/1990	Walker	423	605
	4,915,922	04/10/1990	Filss	423	239
	4,908,194	03/13/1990	Hooper	423	235
	4,883,647	11/28/1989	Kainer	423	239
	4,872,989	10/10/1989	Pirotta	210	638
	4,871,522	10/03/1989	Doyle	423	239
	4,843,980	07/04/1989	Markham	110	342

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FORM PTO-1449 MODIFIED  INFORMATION DISCLOSURE CITATION IN AN APPLICATION	Docket No.: 42801.3.76.1	Application No.: 10/767,460
	APPLICANT: BOREN et al	
	FILING DATE: January 28, 2004	
GROUP ART UNIT: 1754		

U.S. PATENT DOCUMENTS					
Examiner's initials	Document No.	Date	Name	Class	Subclass
BD	4,836,993	06/06/1989	Bertolacini	423	244
	4,798,711	01/17/1989	Neal	423	239
	4,755,499	07/05/1988	Neal	502	415
	4,719,791	01/19/1988	Greiner	73	38
	4,713,225	12/15/1987	Iannicelli	423	230
	4,581,219	04/08/1986	Imada	423	605
	4,581,210	04/08/1986	Teller	423	242
	4,552,735	11/12/1985	Iannicelli	423	224
	4,552,734	11/12/1985	Iannicelli	423	230
	4,551,254	11/05/1985	Imada	210	688
	4,550,098	10/29/1985	Gens	502	324
	4,542,116	09/17/1985	Bertolacini	502	65
	4,500,281	02/19/1985	Beardmore	431	3
	4,497,902	02/05/1985	Bertolacini	502	65
	4,479,877	10/30/1984	Guter	210	670
	4,476,104	10/09/1984	Mellors	423	605
	4,450,148	05/22/1984	Welsh	423	605
	4,448,760	05/15/1984	Welsh	423	605
	4,423,019	12/27/1983	Bertolacini	423	244
	4,411,878	10/25/1983	Welsh	423	605
	4,402,931	09/06/1983	Tanabe	423	605
	4,400,362	08/23/1983	Lerner	423	235
	4,381,991	05/03/1983	Bertolacini	208	113
	4,376,103	03/08/1983	Bertolacini	423	244
	4,369,167	01/18/1983	Weir	423	210
	4,369,130	01/18/1983	Bertolacini	252	455
	4,369,108	01/18/1983	Bertolacini	208	120
	4,310,494	01/12/1982	Welsh	423	49
	4,309,392	01/05/1982	Shaw	423	239
	4,309,386	01/05/1982	Pirsh	422	177
	4,277,360	07/07/1980	Mellors	252	182
	4,277,255	07/07/1981	Apelgren	55	20
	4,276,268	06/30/1980	Welsh	423	49
	4,250,149	02/10/1981	Welsh	423	50
	4,233,188	11/11/1980	Ghandi	252	470

Examiner Signature 	Date Considered 10/05/07
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FORM PTO-1449 MODIFIED

Docket No.:  
42801.3.76.1Application No.:  
10/767,460**INFORMATION DISCLOSURE CITATION  
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APPLICANT: BOREN et al

FILING DATE: January 28, 2004

GROUP ART UNIT: 1754

**U.S. PATENT DOCUMENTS**

Examiner's initials	Document No.	Date	Name	Class	Subclass
BS	4,164,545	08/14/1979	Scott	423	239
	4,162,207	07/24/1979	Boyer	204	157
	4,153,429	05/08/1979	Matthews	55	68
	4,144,144	03/13/1979	Radimer	205	347
	4,123,507	10/31/1978	Hass	423	574
	4,123,499	10/31/1978	Welsh	423	035
	4,112,053	09/05/1978	Sanada	423	239
	4,108,969	08/22/1978	Merkel	423	560
	4,102,982	07/25/1978	Weir	423	242
	4,091,075	05/23/1978	Pessel	423	242
	4,087,372	05/02/1978	Saitoh	252	184
	4,081,509	05/28/1978	Hishinuma	423	235
	4,070,441	01/24/1978	Pessel	423	242
	4,033,113	07/05/1977	Cramer	60	39
	4,029,752	06/14/1977	Cahn	423	563
	4,017,586	04/12/1977	Reeves	423	242
	4,014,982	03/29/1977	Paull	423	528
	4,012,487	03/15/1977	Merkel	423	242
	4,011,298	03/08/1977	Fukui	423	235
	4,008,169	02/15/1977	McGauley	252	191
	4,006,217	02/01/1977	Faber	423	605
	3,981,971	09/21/1976	Saito	423	239
	3,957,949	05/18/1976	Senjo	423	235
	3,956,189	05/11/1976	Warshaw	252	466
	3,951,765	04/20/1976	Everett	204	96
	3,933,128	01/20/1976	Cramer	122	4
	3,898,320	08/15/1975	Atsukawa	423	605
	3,798,310	03/19/1974	Atsukawa	423	244
	3,780,158	12/18/1973	Welsh	423	49
	3,770,868	11/06/1973	Lean	423	5
	3,723,598	03/27/1973	Spedden	423	244
	3,427,128	02/11/1969	Schmier	23	145
	3,330,096	07/11/1967	Zimmerley	55	73
	3,251,649	05/17/1966	Atsukawa	23	167
	3,226,192	12/28/1965	Atsukawa	23	167

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	FILING DATE: January 28, 2004	
GROUP ART UNIT: 1754		

U.S. PATENT DOCUMENTS					
Examiner's initials	Document No.	Date	Name	Class	Subclass
BP	3,150,923	09/29/1964	Bienstock	423	244.06
	3,011,867	05/12/1961	Welsh	23	61
	2,984,545	05/16/1961	Tarbutton	23	178
	2,956,860	10/18/1960	Welsh	23	145
	2,608,466	08/26/1952	Fox	23	145
	2,486,530	11/01/1949	Jenness	252	186
	2,123,250	07/12/1938	Muller, et al.	23	145
	1,851,312	03/29/1932	Huff	423	222
	1,293,461	02/04/1919	Kaplan	423	605
	1,275,666	08/13/1918	Ellis	423	605
	1,178,927	04/11/1916	Kaplan	423	605
	2003-0209495	11/13/2003	Schlegel	210	660
	2003-0196966	10/23/2003	Hughes	210	758
	2003-0196960	10/23/2003	Hughes	210	679
	2003-0077398	04/24/2003	Strutt	427	452
	2003-0077249	04/24/2003	Bebbington	424	93
	2002-0074292	06/20/2002	Schlegel	210	681
	2002-0070172	06/13/2002	Schlegel	210	660
	2002-0006363	01/17/2002	Feeley	422	171

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
BP	DE 33 12 890	10/11/84	DE				
	DE 37 31 889	04/27/89	DE				
	DE 40 12 982	10/31/91	DE				
	DE 197 15 244	10/15/98	DE				
	EP 0 428 389	05/22/91	EP				
	EP 0 476 300	01/25/95	EP				
	JP 08266859	10/15/96	JP				
	<del>WO 86/02918</del>	<del>05/22/86</del>	<del>WO</del>				
	WO 01/87464	11/22/2001	WO				
	WO 98/17365	04/30/1998	WO				

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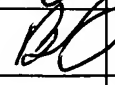
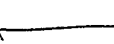

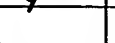


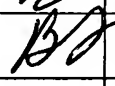



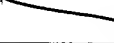



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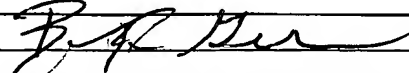
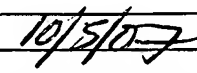
OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)	
<del>BD</del>	Ambrose, Covington and Thirsk, "Electrode Potentials and related Properties of Some Potassium-Containing alpha Manganese Dioxides," Power Sources, 1970, 2, pp. 303-318
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<del>BD</del>	Bricker, "Some Stability Relationships in the System Mn-O <sub>2</sub> -H <sub>2</sub> O and One Atmosphere Total Pressure," The American Mineralogist, vol. 50, Sept., 1965, pp. 1296-1354
<del>BD</del>	Burns and Burns, "Structural Relationships Between the Manganese (IV) Oxides," Manganese Dioxide Symposium, vol. 1, Cleveland, 1975, paper 16, pp. 306-327
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<del>BD</del>	"Commercial Demonstration of the NOXSO SO <sub>2</sub> /NO <sub>2</sub> Removal flue Gas Clean-up System," Quarterly Technical Progress Report No. 16 Contract No. DE-FC22-91PC90549 date--stamped Dec. 11, 1996.
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<del>BD</del>	Elvers, Barbara, Ed., "Manganese," Ullmans Encyclopedia of Industrial Chemistry, Basel, Switzerland?
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<del>BD</del>	Fernandes, Desai, and Dalal, "Studies on Chemically-Precipitated Mn(IV) Oxides-I," Electrochimia Acta, vol. 28, no. 3, pp. 309-315, 1983
<del>BD</del>	Giovanoli, "A Review on Structural Data of Electrochemical and Chemical MnO <sub>2</sub> (EMD and CMD)," Manganese Dioxide Symposium, vol. 2, Tokyo, 1980, pp. 113-133
<del>BD</del>	Hypolito, Valarelli, Giovanoli, Netto, "Gibbs Free Energy of Formation of Synthetic Cryptomelane," Chimia 38 (1984) No. 12 (Dec.), pp. 427-429.
<del>BD</del>	Il'chenko, Kucha, Chernomordik, Andreeva, Ivabova, "Path and Products of Thermal Decomposition of Mn(NO <sub>3</sub> ) <sub>2</sub> in Aqueous Nitric Acid Solutions," Plenum Publishing Corp., 1985, Northwest Correspondence Polytechnic Institute, Zhurnal Prikladnoi Khimii, Vol. 58, May 21, 1984: pp. 984-989
<del>BD</del>	Kalagnanam, J. & Rubin ES, "Development of Integrated Environmental Control Model," Quarterly Progress Report DE-AC22-92PC91346-12 October 1995
<del>BD</del>	Kanungo and Sant, "Preparation and Properties of Manganese Dioxide for Dry Cells," J. Scient. Ind. Res., vol. 31, May 1972, pp. 264-72

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OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)	
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FORM PTO-1449 MODIFIED	Docket No.: 42801.3.76.1	Application No.: 10/767,460
<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>	APPLICANT: BOREN et al	
	FILING DATE: January 28, 2004	
	GROUP ART UNIT: 1754	


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